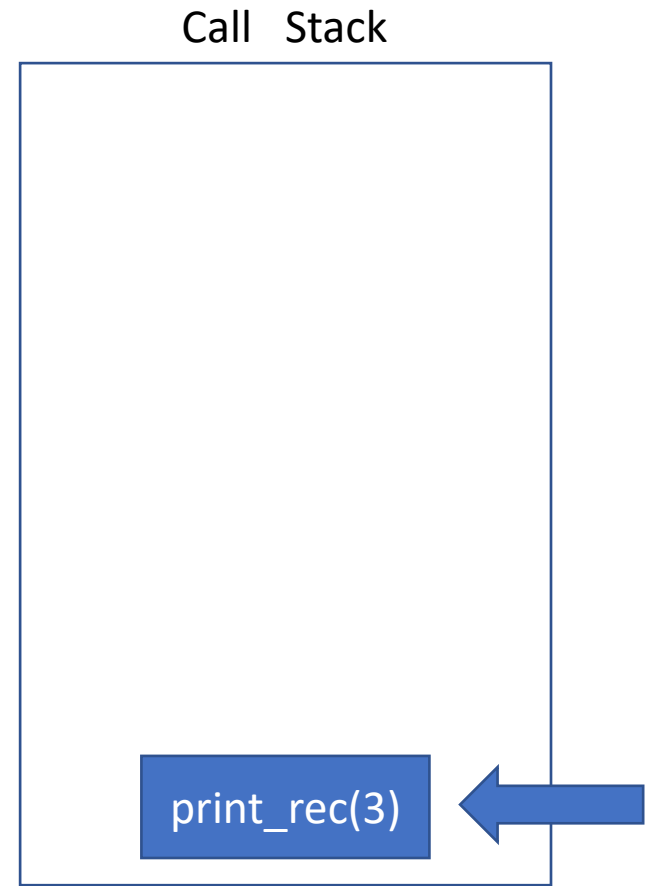


```
def print_rec(i):  
    if (i<=0): #Stop Criteria  
        return  
  
    print(i)  
    print_rec(i-1) #increment/decrement  
  
print_rec(3)
```



```
def print_rec(3):  
    if (3<=0): #Stop Criteria  
        return  
  
    print(3)  
    print_rec(2) #increment/decrement
```

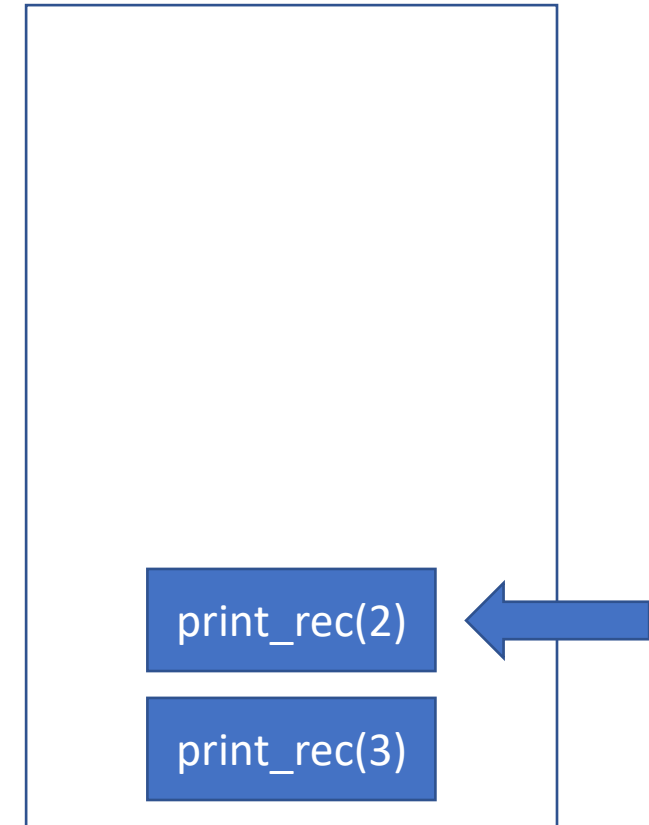


```
def print_rec(3):  
    if (3<=0): #Stop Criteria  
        return  
  
    print(3)  
    print_rec(2) #increment/decrement
```

→

```
def print_rec(2):  
    if (2<=0): #Stop Criteria  
        return  
  
    print(2)  
    print_rec(1) #increment/decrement
```

## Call Stack



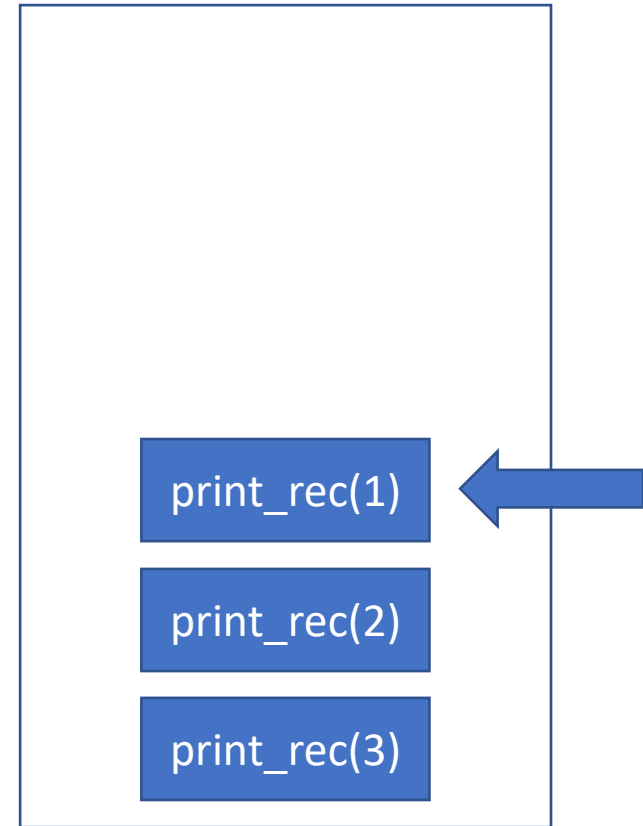
```
def print_rec(3):  
    if (3<=0): #Stop Criteria  
        return  
  
    print(3)  
    print_rec(2) #increment/decrement
```

```
def print_rec(2):  
    if (2<=0): #Stop Criteria  
        return  
  
    print(2)  
    print_rec(1) #increment/decrement
```

```
def print_rec(1):  
    if (1<=0): #Stop Criteria  
        return  
  
    print(1)  
    print_rec(0) #increment/decrement
```



## Call Stack



```
def print_rec(3):  
    if (3<=0): #Stop Criteria  
        return  
  
    print(3)  
    print_rec(2) #increment/decrement
```

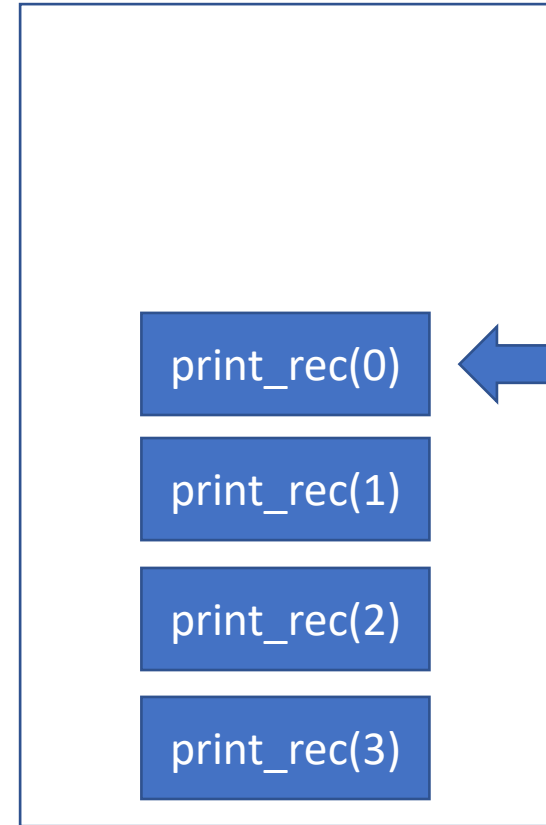
```
def print_rec(2):  
    if (2<=0): #Stop Criteria  
        return  
  
    print(2)  
    print_rec(1) #increment/decrement
```

```
def print_rec(1):  
    if (1<=0): #Stop Criteria  
        return  
  
    print(1)  
    print_rec(0) #increment/decrement
```

```
def print_rec(0):  
    if (0<=0): #Stop Criteria  
        return
```



## Call Stack



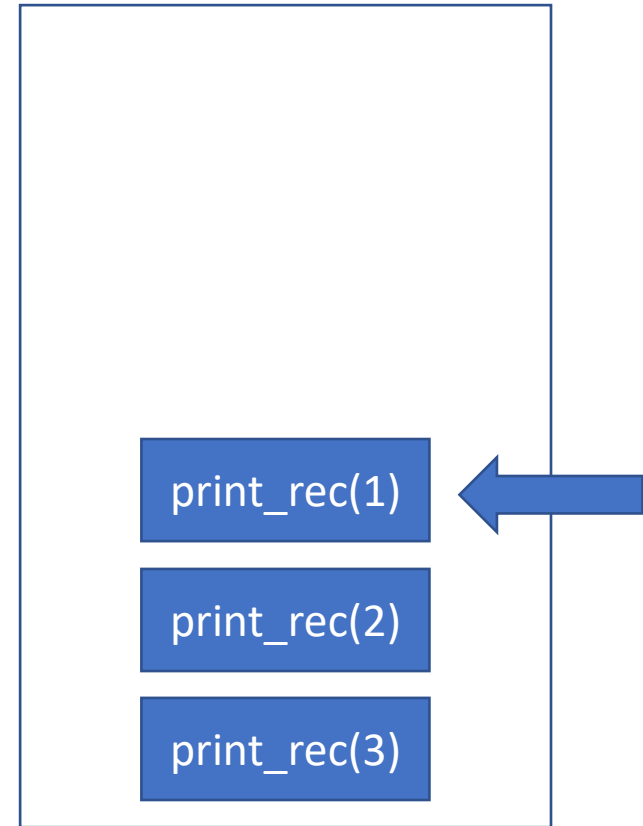
```
def print_rec(3):  
    if (3<=0): #Stop Criteria  
        return  
  
    print(3)  
    print_rec(2) #increment/decrement
```

```
def print_rec(2):  
    if (2<=0): #Stop Criteria  
        return  
  
    print(2)  
    print_rec(1) #increment/decrement
```

```
def print_rec(1):  
    if (1<=0): #Stop Criteria  
        return  
  
    print(1)  
    print_rec(0) #increment/decrement
```



## Call Stack

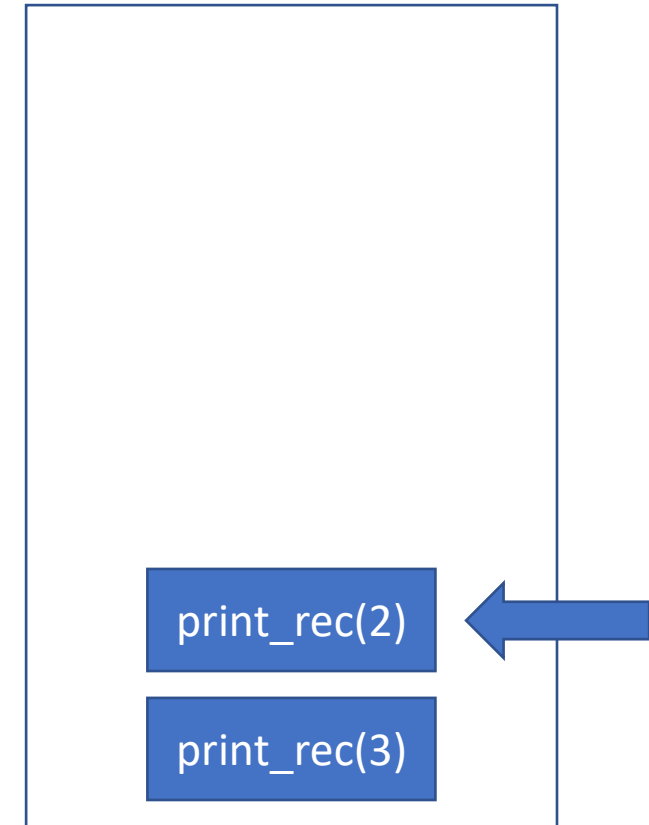


```
def print_rec(3):  
    if (3<=0): #Stop Criteria  
        return  
  
    print(3)  
    print_rec(2) #increment/decrement
```

→

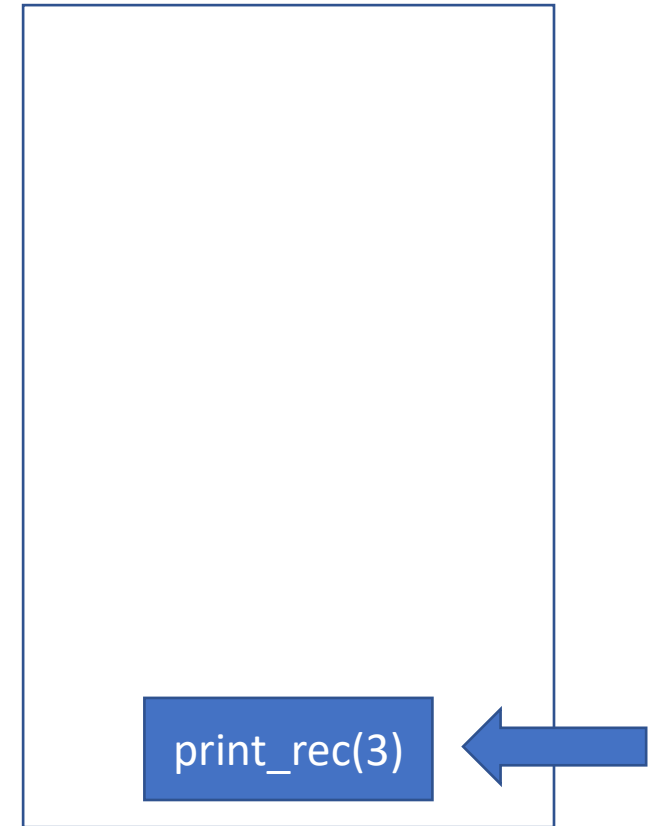
```
def print_rec(2):  
    if (2<=0): #Stop Criteria  
        return  
  
    print(2)  
    print_rec(1) #increment/decrement
```

## Call Stack



```
def print_rec(3):  
    if (3<=0): #Stop Criteria  
        return  
  
    print(3)  
    print_rec(2) #increment/decrement
```

Call Stack





```
def print_rec(i):  
    if (i<=0): #Stop Criteria  
        return  
  
    print(i)  
    print_rec(i-1) #increment/decrement  
  
print_rec(3)
```

